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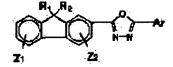
KITAMOTO NORIKO

(54) ORGANIC ELECTROLUMINESCENT ELEMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an organic electroluminescent element excellent in luminous efficiency and emitting light with high intensity by interposing one or more layers containing at least one of specific compounds between a pair of electrodes.

SOLUTION: One or more layers containing at least one of the compounds expressed by the formula are interposed between a pair of electrodes. In the formula, Ar is a substituted or unsubstituted aryl group; R1 and R2 are each a hydrogen atom, a straight chain, branched chain or cyclic alkyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted aralkyl group; and Z1 and Z2 are each a hydrogen atom, halogen atom, straight chain, branched chain or cyclic alkyl group, a straight chain, branched chain or cyclic alkoxy group, or a substituted or unsubstituted aryl group. In this case, the layer containing the compound is a luminescent layer or an electron injection and transport layer, contains a luminescent organic metal complex and has a positive hole injection and transport layer and an electron injection and transport layer between the pair of electrodes.



LEGAL STATUS

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